Request to Archive
With The National Centers for Environmental Information
For NOAA Climate Data Record (CDR) of Ocean Surface Bundle (OSB), Version 2.0
Provided by WHOI

2016-02-10

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

Carol Clayson
WHOI
Associate Scientist
508-289-3626
cclayson@whoi.edu

2. Name the organization or group responsible for creating the dataset.

GEWEX SeaFlux Project

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

UPDATE TO EXISTING CDR. Will extend POR to near real-time, improve uncovered issues with v1.0.
This data collection contains a satellite-derived data set of the ocean surface and near-surface atmospheric properties including sea surface temperature, and near-surface specific humidity, winds, and temperature, and the associated latent and sensible heat fluxes. The data are available at three-hourly, quarter-degree resolution over the global ice-free oceans.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 1988-01-01
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

Version 2.0

6. Approximate date when the dataset was or will be released to the public:

2016-07-15

7. Who are the expected users of the archived data? How will the archived data be used?

Ocean modelers; coupled modelers; energy and water cycle studies

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

Dataset has been analyzed by the producers.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

UPDATE TO EXISTING CDR. Will extend POR to near real-time, improve uncovered issues with v1.0.

10. List the input datasets and ancillary information used to produce the data.

The CSU SSM/I and SSMIS intercalibrated brightness temperature data set is used for input, as is the Reynolds Version 2 AVHRR-only SST dataset. Ice masks and land masks. MERRA for surface parameters for gradients for interpolation. The NASA/CERES SYN1deg dataset. The NASA/CERES FlashFlux. HOAPS 3.2 and GPCP precipitation data.

11. List web pages and other links that provide information on the data.

None.

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. All previously available documents (user guides, algorithm documentation, source code, data/process flow diagrams, C-ATBD) for Version 1.0 will be updated for Version 2.0.

13. Indicate the data file format(s).

1. netCDF-4

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

Organized as SEAFLUX-OSB-CDR_V01R00_SST_DYYYYMM_CYYYYMMDD.tar in monthly aggregations

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

As with the previous version we will post to a Google Drive directory.

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume:	1GB
Number of Data Files:	1008

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate:	3MB per Month
Data File Frequency:	3 per Month
Data Production Start:	2016-07-15

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Woods Hole, MA, USA
System Name: solo.who.edu
System Owner: Carol Anne Clayson
Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.
1. SFTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.
1. Direct download links

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?
No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.
Version 2.0 will provide an improved dataset as compared to Version 1.0 in both quality of existing data, and in extension of the dataset through near-real-time.

24. Are the data archived at another facility or are there plans to do so? Please explain.
No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?
This project is funded under the NOAA CDR program.

26. Do you have a data management plan for your data?
No

27. Have funds been allocated to archive the data at NCEI?
No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.
NOAA CDR NA10NES4400001

29. Is there a desired deadline for NCEI to archive and provide access to the data?
No deadlines for archive or access.

30. Add any other pertinent information for this request.
None